Release notes for ENDF/B Development n-092_U_237 evaluation



May 26, 2017

- checkr Warnings:
 - 1. A previous error halted parsing of the current section MAT=9234, MF=1, MT=451 (1): Parsing stopped

ERROR(S) FOUND IN MAT=9234, MF= 1, MT=451
SECTION CANNOT BE CHECKED FROM SEQUENCE NUMBER 482 TO 568

- checkr Errors:
 - 1. A variable is outside the allowed ENDF range MAT=9234, MF=1, MT=451 (0): Variable range

ERROR(S) FOUND IN MAT=9234, MF= 1, MT=451
MOD = 3 OUT OF RANGE 0 - 1 RECORD NUMBER 482

2. Missing a section in directory so your directory is messed up. This error will break everything else $MAT=9234,\ MF=1,\ MT=452\ (0)$: Directory (b)

ERROR(S) FOUND IN MAT=9234, MF= 1, MT=452
SECTION 1/452 NOT IN DIRECTORY RECORD NUMBER 569

3. Missing a section in directory so your directory is messed up. This error will break everything else MAT=9234, MF=1, MT=455 (0): Directory (b)

ERROR(S) FOUND IN MAT=9234, MF= 1, MT=455
SECTION 1/455 NOT IN DIRECTORY RECORD NUMBER 580

4. Missing a section in directory so your directory is messed up. This error will break everything else MAT=9234, MF=1, MT=456 (0): Directory (b)

ERROR(S) FOUND IN MAT=9234, MF= 1, MT=456
SECTION 1/456 NOT IN DIRECTORY RECORD NUMBER 588

5. Missing a section in directory so your directory is messed up. This error will break everything else MAT=9234, MF=1, MT=458 (0): Directory (b)

ERROR(S) FOUND IN MAT=9234, MF= 1, MT=458

SECTION 1/458 NOT IN DIRECTORY RECORD NUMBER 597

6. Missing a section in directory so your directory is messed up. This error will break everything else MAT=9234, MF=2, MT=151 (0): Directory (b)

ERROR(S) FOUND IN MAT=9234, MF= 2, MT=151
SECTION 2/151 NOT IN DIRECTORY RECORD NUMBER 610

7. Missing a section in directory so your directory is messed up. This error will break everything else MAT=9234, MF=3, MT=1 (0): Directory (b)

ERROR(S) FOUND IN MAT=9234, MF= 3, MT= 1 SECTION 3/ 1 NOT IN DIRECTORY

RECORD NUMBER 814

8. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 9234, MF = 3, MT = 2 (0): Directory (b)

ERROR(S) FOUND IN MAT=9234, MF= 3, MT= 2 SECTION 3/ 2 NOT IN DIRECTORY

RECORD NUMBER 857

9. Missing a section in directory so your directory is messed up. This error will break everything else

MAT-922/MF-2 MT-2 (0): Directory (b)

MAT = 9234, MF = 3, MT = 3 (0): Directory (b)

ERROR(S) FOUND IN MAT=9234, MF= 3, MT= 3 SECTION 3/ 3 NOT IN DIRECTORY

RECORD NUMBER 900

10. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 9234, MF = 3, MT = 4 (0): Directory (b)

ERROR(S) FOUND IN MAT=9234, MF= 3, MT= 4 SECTION 3/ 4 NOT IN DIRECTORY

RECORD NUMBER 943

11. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 9234, MF = 3, MT = 16 (0): Directory (b)

ERROR(S) FOUND IN MAT=9234, MF= 3, MT= 16 SECTION 3/ 16 NOT IN DIRECTORY

RECORD NUMBER 971

12. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 9234, MF = 3, MT = 17 (0): Directory (b)

ERROR(S) FOUND IN MAT=9234, MF= 3, MT= 17 SECTION 3/ 17 NOT IN DIRECTORY

RECORD NUMBER 990

13. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 9234, MF = 3, MT = 18 (0): Directory (b)

ERROR(S) FOUND IN MAT=9234, MF= 3, MT= 18 SECTION 3/ 18 NOT IN DIRECTORY

RECORD NUMBER 1005

14. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 9234, MF = 3, MT = 37 (0): Directory (b)

ERROR(S) FOUND IN MAT=9234, MF= 3, MT= 37 SECTION 3/ 37 NOT IN DIRECTORY

RECORD NUMBER 1037

15. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 9234, MF = 3, MT = 51 (0): Directory (b)

ERROR(S) FOUND IN MAT=9234, MF= 3, MT= 51 SECTION 3/ 51 NOT IN DIRECTORY

RECORD NUMBER 1047

16. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 9234, MF = 3, MT = 52 (0): Directory (b)

ERROR(S) FOUND IN MAT=9234, MF= 3, MT= 52 SECTION 3/ 52 NOT IN DIRECTORY

RECORD NUMBER 1075

17. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 9234, MF = 3, MT = 53 (0): Directory (b)

ERROR(S) FOUND IN MAT=9234, MF= 3, MT= 53 SECTION 3/ 53 NOT IN DIRECTORY

RECORD NUMBER 1102

18. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 9234, MF = 3, MT = 54 (0): Directory (b)

ERROR(S) FOUND IN MAT=9234, MF= 3, MT= 54 SECTION 3/ 54 NOT IN DIRECTORY

RECORD NUMBER 1129

19. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 9234, MF = 3, MT = 55 (0): Directory (b)

ERROR(S) FOUND IN MAT=9234, MF= 3, MT= 55 SECTION 3/ 55 NOT IN DIRECTORY

RECORD NUMBER 1156

20. Missing a section in directory so your directory is messed up. This error will break everything else MAT=9234, MF=3, MT=56 (0): Directory (b)

ERROR(S) FOUND IN MAT=9234, MF= 3, MT= 56

SECTION 3/ 56 NOT IN DIRECTORY

RECORD NUMBER 1182

21. Missing a section in directory so your directory is messed up. This error will break everything else MAT=9234, MF=3, MT=57 (0): Directory (b)

mn1 = 3234, m1 = 3, m1 = 31 (3). Directory

ERROR(S) FOUND IN MAT=9234, MF= 3, MT= 57 SECTION 3/ 57 NOT IN DIRECTORY

RECORD NUMBER 1208

22. Missing a section in directory so your directory is messed up. This error will break everything else MAT=9234, MF=3, MT=58 (0): Directory (b)

MAI = 32.54, MI = 5, MI = 55 (0). Directory (6)

ERROR(S) FOUND IN MAT=9234, MF= 3, MT= 58 SECTION 3/ 58 NOT IN DIRECTORY

RECORD NUMBER 1234

23. Missing a section in directory so your directory is messed up. This error will break everything else MAT=9234, MF=3, MT=59 (0): Directory (b)

ERROR(S) FOUND IN MAT=9234, MF= 3, MT= 59 SECTION 3/ 59 NOT IN DIRECTORY

RECORD NUMBER 1259

24. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 9234, MF = 3, MT = 60 (0): Directory (b)

ERROR(S) FOUND IN MAT=9234, MF= 3, MT= 60 SECTION 3/ 60 NOT IN DIRECTORY

RECORD NUMBER 1284

25. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 9234, MF = 3, MT = 61 (0): Directory (b)

ERROR(S) FOUND IN MAT=9234, MF= 3, MT= 61 SECTION 3/ 61 NOT IN DIRECTORY

RECORD NUMBER 1309

26. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 9234, MF = 3, MT = 62 (0): Directory (b)

ERROR(S) FOUND IN MAT=9234, MF= 3, MT= 62 SECTION 3/ 62 NOT IN DIRECTORY

RECORD NUMBER 1333

27. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 9234, MF = 3, MT = 63 (0): Directory (b)

ERROR(S) FOUND IN MAT=9234, MF= 3, MT= 63 SECTION 3/ 63 NOT IN DIRECTORY

RECORD NUMBER 1357

28. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 9234, MF = 3, MT = 64 (0): Directory (b)

ERROR(S) FOUND IN MAT=9234, MF= 3, MT= 64 SECTION 3/ 64 NOT IN DIRECTORY

RECORD NUMBER 1381

29. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 9234, MF = 3, MT = 65 (0): Directory (b)

ERROR(S) FOUND IN MAT=9234, MF= 3, MT= 65 SECTION 3/ 65 NOT IN DIRECTORY

RECORD NUMBER 1404

30. Missing a section in directory so your directory is messed up. This error will break everything else MAT=9234, MF=3, MT=66 (0): Directory (b)

ERROR(S) FOUND IN MAT=9234, MF= 3, MT= 66

SECTION 3/66 NOT IN DIRECTORY

RECORD NUMBER 1427

31. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 9234, MF = 3, MT = 67 (0): Directory (b)

ERROR(S) FOUND IN MAT=9234, MF= 3, MT= 67 SECTION 3/ 67 NOT IN DIRECTORY

RECORD NUMBER 1450

32. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 9234, MF = 3, MT = 68 (0): Directory (b)

ERROR(S) FOUND IN MAT=9234, MF= 3, MT= 68 SECTION 3/ 68 NOT IN DIRECTORY

RECORD NUMBER 1472

33. Missing a section in directory so your directory is messed up. This error will break everything else MAT=9234, MF=3, MT=69 (0): Directory (b)

ERROR(S) FOUND IN MAT=9234, MF= 3, MT= 69 SECTION 3/ 69 NOT IN DIRECTORY

RECORD NUMBER 1494

34. Missing a section in directory so your directory is messed up. This error will break everything else MAT=9234, MF=3, MT=70 (0): Directory (b)

ERROR(S) FOUND IN MAT=9234, MF= 3, MT= 70 SECTION 3/ 70 NOT IN DIRECTORY

RECORD NUMBER 1516

35. Missing a section in directory so your directory is messed up. This error will break everything else MAT=9234, MF=3, MT=71 (0): Directory (b)

ERROR(S) FOUND IN MAT=9234, MF= 3, MT= 71 SECTION 3/ 71 NOT IN DIRECTORY

RECORD NUMBER 1537

36. Missing a section in directory so your directory is messed up. This error will break everything else

MAT=9234, MF= 3, MT= 72 (0): Directory (b)

ERROR(S) FOUND IN MAT=9234, MF= 3, MT= 72 SECTION 3/ 72 NOT IN DIRECTORY

RECORD NUMBER 1558

37. Missing a section in directory so your directory is messed up. This error will break everything else MAT=9234, MF=3, MT=73 (0): Directory (b)

ERROR(S) FOUND IN MAT=9234, MF= 3, MT= 73 SECTION 3/ 73 NOT IN DIRECTORY

RECORD NUMBER 1579

38. Missing a section in directory so your directory is messed up. This error will break everything else MAT=9234, MF=3, MT=74 (0): Directory (b)

ERROR(S) FOUND IN MAT=9234, MF= 3, MT= 74 SECTION 3/ 74 NOT IN DIRECTORY

RECORD NUMBER 1599

39. Missing a section in directory so your directory is messed up. This error will break everything else MAT=9234, MF=3, MT=75 (0): Directory (b)

ERROR(S) FOUND IN MAT=9234, MF= 3, MT= 75 SECTION 3/ 75 NOT IN DIRECTORY

RECORD NUMBER 1619

40. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 9234, MF = 3, MT = 91 (0): Directory (b)

ERROR(S) FOUND IN MAT=9234, MF= 3, MT= 91 SECTION 3/ 91 NOT IN DIRECTORY

RECORD NUMBER 1638

41. Missing a section in directory so your directory is messed up. This error will break everything else MAT=9234, MF=3, MT=102 (0): Directory (b)

ERROR(S) FOUND IN MAT=9234, MF= 3, MT=102

SECTION 3/102 NOT IN DIRECTORY

RECORD NUMBER 1657

42. Missing a section in directory so your directory is messed up. This error will break everything else MAT=9234, MF=4, MT=2 (0): Directory (b)

ERROR(S) FOUND IN MAT=9234, MF= 4, MT= 2 SECTION 4/ 2 NOT IN DIRECTORY

RECORD NUMBER 1685

43. Missing a section in directory so your directory is messed up. This error will break everything else MAT=9234, MF=4, MT=18 (0): Directory (b)

ERROR(S) FOUND IN MAT=9234, MF= 4, MT= 18 SECTION 4/ 18 NOT IN DIRECTORY

RECORD NUMBER 1787

44. Missing a section in directory so your directory is messed up. This error will break everything else MAT=9234, MF=4, MT=51 (0): Directory (b)

ERROR(S) FOUND IN MAT=9234, MF= 4, MT= 51 SECTION 4/ 51 NOT IN DIRECTORY

RECORD NUMBER 1790

45. Missing a section in directory so your directory is messed up. This error will break everything else MAT=9234, MF=4, MT=52 (0): Directory (b)

ERROR(S) FOUND IN MAT=9234, MF= 4, MT= 52 SECTION 4/ 52 NOT IN DIRECTORY

RECORD NUMBER 1890

46. Missing a section in directory so your directory is messed up. This error will break everything else

MAT=9234, MF= 4, MT= 53 (0): Directory (b)

ERROR(S) FOUND IN MAT=9234, MF= 4, MT= 53 SECTION 4/ 53 NOT IN DIRECTORY

RECORD NUMBER 1988

47. Missing a section in directory so your directory is messed up. This error will break everything else MAT=9234, MF=4, MT=54 (0): Directory (b)

ERROR(S) FOUND IN MAT=9234, MF= 4, MT= 54 SECTION 4/ 54 NOT IN DIRECTORY

RECORD NUMBER 2086

48. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 9234, MF = 4, MT = 55 (0): Directory (b)

ERROR(S) FOUND IN MAT=9234, MF= 4, MT= 55 SECTION 4/ 55 NOT IN DIRECTORY

RECORD NUMBER 2137

49. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 9234, MF = 4, MT = 56 (0): Directory (b)

ERROR(S) FOUND IN MAT=9234, MF= 4, MT= 56 SECTION 4/ 56 NOT IN DIRECTORY

RECORD NUMBER 2235

50. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 9234, MF = 4, MT = 57 (0): Directory (b)

ERROR(S) FOUND IN MAT=9234, MF= 4, MT= 57 SECTION 4/ 57 NOT IN DIRECTORY

RECORD NUMBER 2284

51. Missing a section in directory so your directory is messed up. This error will break everything else MAT=9234, MF=4, MT=58 (0): Directory (b)

ERROR(S) FOUND IN MAT=9234, MF= 4, MT= 58 SECTION 4/ 58 NOT IN DIRECTORY

RECORD NUMBER 2380

52. Missing a section in directory so your directory is messed up. This error will break everything else MAT=9234, MF=4, MT=59 (0): Directory (b)

ERROR(S) FOUND IN MAT=9234, MF= 4, MT= 59 SECTION 4/ 59 NOT IN DIRECTORY

RECORD NUMBER 2429

53. Missing a section in directory so your directory is messed up. This error will break everything else MAT=9234, MF=4, MT=60 (0): Directory (b)

ERROR(S) FOUND IN MAT=9234, MF= 4, MT= 60 SECTION 4/ 60 NOT IN DIRECTORY

RECORD NUMBER 2478

54. Missing a section in directory so your directory is messed up. This error will break everything else MAT=9234, MF=4, MT=61 (0): Directory (b)

ERROR(S) FOUND IN MAT=9234, MF= 4, MT= 61 SECTION 4/ 61 NOT IN DIRECTORY

RECORD NUMBER 2527

55. Missing a section in directory so your directory is messed up. This error will break everything else MAT=9234, MF=4, MT=62 (0): Directory (b)

ERROR(S) FOUND IN MAT=9234, MF= 4, MT= 62 SECTION 4/ 62 NOT IN DIRECTORY

RECORD NUMBER 2576

56. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 9234, MF = 4, MT = 63 (0): Directory (b)

ERROR(S) FOUND IN MAT=9234, MF= 4, MT= 63 SECTION 4/ 63 NOT IN DIRECTORY

RECORD NUMBER 2625

57. Missing a section in directory so your directory is messed up. This error will break everything else MAT=9234, MF=4, MT=64 (0): Directory (b)

ERROR(S) FOUND IN MAT=9234, MF= 4, MT= 64 SECTION 4/ 64 NOT IN DIRECTORY

RECORD NUMBER 2674

58. Missing a section in directory so your directory is messed up. This error will break everything else MAT=9234, MF=4, MT=65 (0): Directory (b)

ERROR(S) FOUND IN MAT=9234, MF= 4, MT= 65 SECTION 4/ 65 NOT IN DIRECTORY

RECORD NUMBER 2723

59. Missing a section in directory so your directory is messed up. This error will break everything else MAT=9234, MF=4, MT=66 (0): Directory (b)

ERROR(S) FOUND IN MAT=9234, MF= 4, MT= 66 SECTION 4/ 66 NOT IN DIRECTORY

RECORD NUMBER 2772

60. Missing a section in directory so your directory is messed up. This error will break everything else

MAT=9234, MF= 4, MT= 67 (0): Directory (b)

ERROR(S) FOUND IN MAT=9234, MF= 4, MT= 67 SECTION 4/ 67 NOT IN DIRECTORY

RECORD NUMBER 2821

61. Missing a section in directory so your directory is messed up. This error will break everything else MAT=9234, MF=4, MT=68 (0): Directory (b)

ERROR(S) FOUND IN MAT=9234, MF= 4, MT= 68 SECTION 4/ 68 NOT IN DIRECTORY

RECORD NUMBER 2870

62. Missing a section in directory so your directory is messed up. This error will break everything else MAT=9234, MF=4, MT=69 (0): Directory (b)

ERROR(S) FOUND IN MAT=9234, MF= 4, MT= 69 SECTION 4/ 69 NOT IN DIRECTORY

RECORD NUMBER 2919

63. Missing a section in directory so your directory is messed up. This error will break everything else MAT=9234, MF=4, MT=70 (0): Directory (b)

ERROR(S) FOUND IN MAT=9234, MF= 4, MT= 70 SECTION 4/ 70 NOT IN DIRECTORY

RECORD NUMBER 2968

64. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 9234, MF = 4, MT = 71 (0): Directory (b)

ERROR(S) FOUND IN MAT=9234, MF= 4, MT= 71 SECTION 4/ 71 NOT IN DIRECTORY

RECORD NUMBER 3017

65. Missing a section in directory so your directory is messed up. This error will break everything else MAT=9234, MF=4, MT=72 (0): Directory (b)

ERROR(S) FOUND IN MAT=9234, MF= 4, MT= 72

SECTION 4/ 72 NOT IN DIRECTORY

RECORD NUMBER 3066

66. Missing a section in directory so your directory is messed up. This error will break everything else MAT=9234, MF=4, MT=73 (0): Directory (b)

ERROR(S) FOUND IN MAT=9234, MF= 4, MT= 73 SECTION 4/ 73 NOT IN DIRECTORY

RECORD NUMBER 3115

67. Missing a section in directory so your directory is messed up. This error will break everything else MAT=9234, MF=4, MT=74 (0): Directory (b)

ERROR(S) FOUND IN MAT=9234, MF= 4, MT= 74 SECTION 4/ 74 NOT IN DIRECTORY

RECORD NUMBER 3162

68. Missing a section in directory so your directory is messed up. This error will break everything else MAT=9234, MF=4, MT=75 (0): Directory (b)

ERROR(S) FOUND IN MAT=9234, MF= 4, MT= 75 SECTION 4/ 75 NOT IN DIRECTORY

RECORD NUMBER 3209

69. Missing a section in directory so your directory is messed up. This error will break everything else MAT=9234, MF=5, MT=18 (0): Directory (b)

ERROR(S) FOUND IN MAT=9234, MF= 5, MT= 18 SECTION 5/ 18 NOT IN DIRECTORY

RECORD NUMBER 3257

70. Missing a section in directory so your directory is messed up. This error will break everything else MAT=9234, MF=5, MT=455 (0): Directory (b)

ERROR(S) FOUND IN MAT=9234, MF= 5, MT=455 SECTION 5/455 NOT IN DIRECTORY

RECORD NUMBER 3267

71. Missing a section in directory so your directory is messed up. This error will break everything else $MAT=9234,\ MF=\ 6,\ MT=\ 16\ (0):\ Directory\ (b)$

ERROR(S) FOUND IN MAT=9234, MF= 6, MT= 16 SECTION 6/ 16 NOT IN DIRECTORY

RECORD NUMBER 3858

72. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 9234, MF = 6, MT = 17 (0): Directory (b)

ERROR(S) FOUND IN MAT=9234, MF= 6, MT= 17 SECTION 6/ 17 NOT IN DIRECTORY

RECORD NUMBER 5345

73. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 9234, MF = 6, MT = 37 (0): Directory (b)

ERROR(S) FOUND IN MAT=9234, MF= 6, MT= 37 SECTION 6/ 37 NOT IN DIRECTORY

RECORD NUMBER 6084

74. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 9234, MF = 6, MT = 91 (0): Directory (b)

ERROR(S) FOUND IN MAT=9234, MF= 6, MT= 91 SECTION 6/ 91 NOT IN DIRECTORY

RECORD NUMBER 6477

75. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 9234, MF = 8, MT = 16 (0): Directory (b)

ERROR(S) FOUND IN MAT=9234, MF= 8, MT= 16 SECTION 8/ 16 NOT IN DIRECTORY

RECORD NUMBER 9031

76. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 9234, MF = 8, MT = 17 (0): Directory (b)

ERROR(S) FOUND IN MAT=9234, MF= 8, MT= 17 SECTION 8/ 17 NOT IN DIRECTORY

RECORD NUMBER 9034

77. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 9234, MF = 8, MT = 102 (0): Directory (b)

ERROR(S) FOUND IN MAT=9234, MF= 8, MT=102 SECTION 8/102 NOT IN DIRECTORY

RECORD NUMBER 9037

78. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 9234, MF = 12, MT = 18 (0): Directory (b)

ERROR(S) FOUND IN MAT=9234, MF=12, MT= 18 SECTION 12/ 18 NOT IN DIRECTORY

RECORD NUMBER 9041

79. Missing a gamma spectrum for continuum of gammas MAT=9234, MF=12, MT= 18 (1): No gamma spectrum

ERROR(S) FOUND IN MAT=9234, MF=12, MT= 18
CONTINUUM PHOTONS REQUIRE A SECTION IN MF=15

80. Missing a section in directory so your directory is messed up. This error will break everything else MAT=9234, MF=12, MT=102 (0): Directory (b)

ERROR(S) FOUND IN MAT=9234, MF=12, MT=102 SECTION 12/102 NOT IN DIRECTORY

RECORD NUMBER 9046

81. Missing a gamma spectrum for continuum of gammas MAT=9234, MF=12, MT=102 (1): No gamma spectrum

ERROR(S) FOUND IN MAT=9234, MF=12, MT=102 CONTINUUM PHOTONS REQUIRE A SECTION IN MF=15

82. Missing a section in directory so your directory is messed up. This error will break everything else MAT=9234, MF=13, MT=3 (0): Directory (b)

ERROR(S) FOUND IN MAT=9234, MF=13, MT= 3 SECTION 13/ 3 NOT IN DIRECTORY

RECORD NUMBER 9052

83. Missing a gamma spectrum for continuum of gammas MAT=9234, MF=13, MT=3 (1): No gamma spectrum

ERROR(S) FOUND IN MAT=9234, MF=13, MT= 3
CONTINUUM PHOTONS REQUIRE A SECTION IN MF=15

84. Missing a section in directory so your directory is messed up. This error will break everything else MAT=9234, MF=14, MT=3 (0): Directory (b)

ERROR(S) FOUND IN MAT=9234, MF=14, MT= 3 SECTION 14/ 3 NOT IN DIRECTORY

RECORD NUMBER 9065

85. Missing a section in directory so your directory is messed up. This error will break everything else MAT=9234, MF=14, MT= 18 (0): Directory (b)

ERROR(S) FOUND IN MAT=9234, MF=14, MT= 18 SECTION 14/ 18 NOT IN DIRECTORY

RECORD NUMBER 9067

86. Missing a section in directory so your directory is messed up. This error will break everything else MAT=9234, MF=14, MT=102 (0): Directory (b)

ERROR(S) FOUND IN MAT=9234, MF=14, MT=102 SECTION 14/102 NOT IN DIRECTORY

RECORD NUMBER 9069

87. Missing a section in directory so your directory is messed up. This error will break everything else MAT=9234, MF=15, MT=3 (0): Directory (b)

ERROR(S) FOUND IN MAT=9234, MF=15, MT= 3 SECTION 15/ 3 NOT IN DIRECTORY

RECORD NUMBER 9072

88. Missing a section in directory so your directory is messed up. This error will break everything else MAT=9234, MF=15, MT= 18 (0): Directory (b)

ERROR(S) FOUND IN MAT=9234, MF=15, MT= 18 SECTION 15/ 18 NOT IN DIRECTORY

RECORD NUMBER 9446

89. Missing a section in directory so your directory is messed up. This error will break everything else MAT=9234, MF=15, MT=102 (0): Directory (b)

ERROR(S) FOUND IN MAT=9234, MF=15, MT=102 SECTION 15/102 NOT IN DIRECTORY

RECORD NUMBER 9479

- fizcon Warnings:
 - 1. It is OK for uncertainty to be bigger than value MAT=9234, MF=1, MT=458 (1): Big unc

ERROR(S) FOUND IN MAT=9234, MF= 1, MT=458
ERROR GREATER THAN VALUE AT COMPONENT # 39
ERROR GREATER THAN VALUE AT COMPONENT # 51
ERROR GREATER THAN VALUE AT COMPONENT # 53

2. It is OK for uncertainty to be bigger than value MAT=9234, MF=1, MT=458 (2): Big unc

ERROR(S) FOUND IN MAT=9234, MF= 1, MT=458 No problems to report

- psyche Errors:
 - 1. A probability distribution is negative. This is bad. FILE 4 / SECTION 53 / DISTRIBUTION IS NEGATIVE / FROM -9.9708E-01 TO -1.0000E+00 NEGATIVE PROBABILITY IS 9.2745E-05 (0): Neg. prob.

FILE 4
SECTION 53
DISTRIBUTION IS NEGATIVE
FROM -9.9708E-01 TO -1.0000E+00 NEGATIVE PROBABILITY IS 9.2745E-05

- 2. A probability distribution is negative. This is bad. FILE 4 / SECTION 55 / DISTRIBUTION IS NEGATIVE / FROM -9.9768E-01 TO -1.0000E+00 NEGATIVE PROBABILITY IS 5.2869E-05 (0): Neg. prob.
 - FILE 4
 SECTION 55
 DISTRIBUTION IS NEGATIVE
 FROM -9.9768E-01 TO -1.0000E+00 NEGATIVE PROBABILITY IS 5.2869E-05
- fudge-4.0 Warnings:
 - 1. Potential scattering hasn't converted, you need more L's!
 resonances / resolved / MultiLevel_BreitWigner (Error # 0): potentialScatteringNotConverged

WARNING: Potential scattering hasn't converged by L=0 at E=200.0 eV, xs[0]/xs[0]=100.0% > 0.1%

• fudge-4.0 Errors:

1. Found a negative probability reaction label 0: n + U237 / Product: n / Distribution: / angularTwoBody - XYs2d: (Error # 0): Negative prob.

WARNING: Negative probabilities encountered. Incident energy: 2.e7 eV, worst case: -0.000478840510429
WARNING: Negative probabilities encountered. Incident energy: 2.2e7 eV, worst case: -0.00682735064299
WARNING: Negative probabilities encountered. Incident energy: 2.4e7 eV, worst case: -0.0151622648288
WARNING: Negative probabilities encountered. Incident energy: 2.6e7 eV, worst case: -0.0305277496318
... plus 2 more instances of this message

2. Found a negative probability reaction label 1: n + U237_e1 / Product: n / Distribution: / angularTwoBody - XYs2d: (Error # 0): Negative prob.

WARNING: Negative probabilities encountered. Incident energy: 2.6e7 eV, worst case: -0.00725686602594 WARNING: Negative probabilities encountered. Incident energy: 2.8e7 eV, worst case: -0.042779545965 WARNING: Negative probabilities encountered. Incident energy: 3.e7 eV, worst case: -0.0559832482777

3. Found a negative probability reaction label 2: n + U237-e2 / Product: n / Distribution: / angularTwoBody - XYs2d: (Error # 0): Negative prob.

WARNING: Negative probabilities encountered. Incident energy: 2.6e7 eV, worst case: -0.00396551302733 WARNING: Negative probabilities encountered. Incident energy: 2.8e7 eV, worst case: -0.0410169686068 WARNING: Negative probabilities encountered. Incident energy: 3.e7 eV, worst case: -0.0552101282043

4. Found a negative probability reaction label 3: n + U237-e3 / Product: n / Distribution: / angularTwoBody - XYs2d: (Error # 0): Negative prob.

WARNING: Negative probabilities encountered. Incident energy: 3.e7 eV, worst case: -0.0673925

5. Found a negative probability reaction label 5: n+U237_e5 / Product: n / Distribution: / angularTwoBody - XYs2d: (Error # 0): Negative prob.

WARNING: Negative probabilities encountered. Incident energy: 3.e7 eV, worst case: -0.0477335

6. Calculated and tabulated Q values disagree. reaction label 27: n[multiplicity:'2'] + U236 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -5261566.040710449 eV vs -5125780. eV!

7. Calculated and tabulated Q values disagree. reaction label 28: n[multiplicity:'3'] + U235 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -11838523.59161377 eV vs -1.1671e7 eV!

8. Calculated and tabulated Q values disagree.

reaction label 29: n/multiplicity:'4'] + U234 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -16536350.41372681 eV vs -1.69687e7 eV!

9. Fission energy release seems unphysical.

reaction label 30: n[multiplicity:'energyDependent', emissionMode:'prompt'] + n[emissionMode:'6

delayed'] + gamma [total fission] / fissionEnergyReleased: / delayedNeutronKE: (Error

0): Fiss. en. rel. (h)

WARNING: Fission energy release seems unphysical. Worst case: 19270.0

10. Calculated and tabulated Q values disagree. reaction label 31: U238 + gamma (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: 6184480.158508301 eV vs 6.1538e6 eV!

- njoy2012 Warnings:
 - 1. There is a problem with the fission energy release. heatr...prompt kerma (0): HEATR/nheat (3)

---message from nheat---changed q from 1.878210E+08 to 1.815193E+08 for mt 18

- njoy2012 Errors:
 - 1. An angular distribution is negative acer...monte carlo neutron and photon data (0): Neg. P(Ejµ) (b)

---message from ptleg2---negative probs found \$53\$ for mt= 2 e= 2.000E+07

2. An angular distribution is negative acer...monte carlo neutron and photon data (1): Neg. P(Ejµ) (b)

---message from ptleg2---negative probs found \$268\$ for mt= 2 e= 2.200E+07

3. An angular distribution is negative acer...monte carlo neutron and photon data (2): Neg. P(Ejµ) (b)

---message from ptleg2---negative probs found $$403$ \ for mt= \ 2$ e= 2.400E+07

4. An angular distribution is negative acer...monte carlo neutron and photon data (3): Neg. P(Ejµ) (b)

---message from ptleg2---negative probs found \$667\$ for mt= 2 e= 2.600E+07

5. An angular distribution is negative acer...monte carlo neutron and photon data (4): Neg. $P(Ej\mu)$ (b)

---message from ptleg2---negative probs found \$795\$ for mt= $\,2$ e= 2.800E+07

6. An angular distribution is negative acer...monte carlo neutron and photon data (5): Neg. $P(Ej\mu)$ (b)

```
---message from ptleg2---negative probs found
                              874 for mt= 2 e= 3.000E+07
 7. An angular distribution is negative
    acer...monte carlo neutron and photon data (6): Neg. P(Ej\mu) (b)
     ---message from ptleg2---negative probs found
                                18 for mt= 51 e= 2.600E+07
 8. An angular distribution is negative
    acer...monte carlo neutron and photon data (7): Neg. P(Ej\mu) (b)
     ---message from ptleg2---negative probs found
                               199 for mt= 51 e= 2.800E+07
 9. An angular distribution is negative
    acer...monte carlo neutron and photon data (8): Neg. P(Ej\mu) (b)
     ---message from ptleg2---negative probs found
                               237 for mt= 51 e= 3.000E+07
10. An angular distribution is negative
    acer...monte carlo neutron and photon data (9): Neg. P(Ej\mu) (b)
     ---message from ptleg2---negative probs found
                                14 for mt= 52 e= 2.600E+07
11. An angular distribution is negative
    acer...monte carlo neutron and photon data (10): Neg. P(Ej\mu) (b)
     ---message from ptleg2---negative probs found
                               194 for mt= 52 e= 2.800E+07
12. An angular distribution is negative
    acer...monte carlo neutron and photon data (11): Neg. P(Ej\mu) (b)
     ---message from ptleg2---negative probs found
                               238 for mt= 52 e= 3.000E+07
13. An angular distribution is negative
    acer...monte carlo neutron and photon data (12): Neg. P(Ej\mu) (b)
     ---message from ptleg2---negative probs found
                                 3 \text{ for mt} = 53 \text{ e} = 3.000\text{E} + 07
14. An angular distribution is negative
    acer...monte carlo neutron and photon data (13): Neg. P(Ej\mu) (b)
```

3 for mt = 55 e = 3.000E + 07

---message from ptleg2---negative probs found